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DMITRIYEV, V. I.

PHASE I BOOK EXPLOITATION 293

Gibshman, A. Ye., Danilov, S.K., Dmitriyev, V.I., Korneyev, A.I., Tverskoy, K.N., Umbliya, V.E., Khanukov, Ye. D., Chernomordik, D.I., Chudov, A.S., Shil'nikov, N.S.

Ekonomika transporta (The Economics of Transportation) 2d rev. ed. Moscow, Transzheldorizdat, 1957. 711 p. 30,000 copies printed.

Ed.: Krishtal', L.I.; Tech. ed.: Khitrov, P.A.

PURPOSE: This textbook is intended for students in engineering-economic branches of Railway Transportation Institutes, as well as for railway workers engaged in the independent study of railway economics.

COVERAGE: The economic aspects of railway transportation are discussed in this textbook. It covers such subjects as technical-economic problems, the most efficient way to use available facilities, methods for planning and organizaing various branches

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of transportation operations and production, wages, costs, finances, and business accountability (khozraschet). For detailed information see Table of Contents. The book is written by several specialists in the field of railway transportation: Chapters I and IV, and part 1 of chapter II are written by Prof. S.K. Danilov; Ch. II, (parts 2, 3, and 4) is written by D.I. Chernomordik, Doctor of Economic Sciences; Ch. III by Docent A.I. Korneyev; Chapters V, VII, and VIII by Prof. Ye. D. Khanukov, Doctor of Economic Sciences; Chapters VI and XIV by Docent K.N. Tverskoy, Candidate of Economic Sciences; Ch. IX by V.I. Dmitriev, Candidate of Economic Sciences; Ch. X by Prof. A. Ye. Gibshman, Doctor of Technical Sciences; Ch. XI by Docent V.E. Umbliy, Candidate of Economic Sciences (deceased), revised by Prof. S.K. Danilov; Ch. XII by Docent A.S. Chudov, Candidate of Technical Sciences; Ch. XIII by Docent N.S. Shil'nikov, Candidate of Economic Sciences. There are 24 pages of references (pp. 682 through 705). Pages 682 to the middle of 694 are devoted exclusively to references from the works of Marx, Engels, and Lenin.

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From the middle of p. 694 through p. 705, the references are transportation orders issued by the Communist Party and the Soviet government. No other personalities are mentioned.

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24 July 1958

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DMITRIYEV, Valerian Ivanovich,; KHANUKOV, Ye.D., red.; KRISHTAL', L.I., red. KHITROV, P.A., tekhn. red.

[Problems in the economics of rolling stock] Voprosy ekonomiki vagonnogo parka. Moskva, Gos. transp. zhel-dor. izd-vo, 1958. 291 p. (MIRA 11:12)

(Railroads--Rolling stock)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000410520013-5"

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GRECHANYUK, N.M., podpolkovnik; DMITRIYEV, V.I., kand.istor.nauk, kapitan 2 ranga; KRINITSYN, F.S., kand.istor.nauk, polkovnik; CHERNOV, Yu.I., kapitan 3 ranga; LUPACH, V.S., red.; KONOVALOVA, Ye.K., tekhn.red.

[The Baltic Fleet; a historical sketch] Baltiiskii flot; istoricheskii ocherk. Moskva, Voen.izd-vo M-va obor.SSSR, 1960. 373 p. (MIRA 14:2)
(Russia--Navy)

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SHUKSTAL', Ya.V., kand. ekonom. nauk; VERKHOVSKIY, I.A., kand. ekonom. nauk; FOMIN, V.M., kand. ekonom. nauk; MEZENEV, N.I., inzh.; DMITRIYEV, V.I., kand. ekonom. nauk; PADNYA, V.A., inzh.; Prinimali uchastiye: ZOTIKOVA, V.I., kand. ekonom. nauk; YELISEYEVA, T.V., inzh.; KUBLITSKAYA, V.Kh., inah.; KUDRYAVTSEVA, T.N., inzh.; MEZENEV, N.I., inzh.; TIKHONCHUK, M.K., inzh.; FEDOSOVA, V.N., tekhnik; DOBSHITS, M.L., red. izd-va; TIKHOMIROVA, S.G., tekhn. red.; LAUT, V.G., tekhn. red.

[Scope of the use of railroads and motorvehicles for short-distance freight haulage] Sfery primeneniia zheleznodorozhnogo i avtomobil'nogo transporta pri perevozke gruzov na korotkie rasstoianiia. Moskva, Izd-vo Akad. nauk SSSR, 1961. 197 p. (MIRA 15:2)

1. Akademiya nauk SSSR. Institut kompleksnykh transportnykh problem.

(Transportation, Automotive) (Railroads---Freight)

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BELYUNOV, S.A., inzh.; DMITRIYEV, V.I., dots., kand. ekon. nauk; KUCHURIN, S.F.; LIN'KOV, M.V.; MULYUKIN, F.P.; NEDOPEKIN, G.K., inzh.; PUZYNYA, I.Ye., inzh.; RAYKHER, G.Kh., inzh.; TRUBACHEV, T.Ye., inzh.; TYVANCHUK, D.P., inzh.; UMBLIYA, V.E., kand. ekon. nauk; KHOKHLOV, N.F., dots. kand. ekon. nauk; CHUDOV, A.S., prof., doktor ekon. nauk; ERLIKH, V.S., inzh.; IVLIYEV, Ivan Vasil'yevich, red.; KRISHTAL', L.I., red.; KHITROV, P.A., tekhn. red.

[Planning in railroad transportation] Planirovanie na zheleznodorozhnom transporte; spravochnik. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniie, 1961. 470 p. (MIRA 14:11)
(Railroads—Management)

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VISHNEFOL'SKIY, S.A., kand. ekon. nauk; BAYEV, S.M., inzh. putey soobshcheniya; BONDARENKO, V.S.; RODIN, Ye.D.; CHUVLEV, V.P.; TURETSKIY, L.S.; SMIRNOV, G.S.; SHAPIROVSKIY, D.B.; OBERMEYSTER, A.M.; SINITSIN, M.T.; KOGAN, N.D.; PETRUCHIK, V.A.; GRUNIN, A.G.; KOLESNIKOV, V.G.; MARTIROSOV, A.Ye.; KROTKIY, I.B.[deceased]; ZENKEVICH, G.B.; MEZENTSEV, G.A.; KOLOMOYTSEV, V.P., kand. tekhn. nauk; ZAMAKHOVSKAYA, A.G., kand. tekhn. nauk; MAKAL'SKIY, I.I., kand. ekon. nauk; MITROFANOV, V.F., kand. ekon. nauk; CHILIKIN, Ya.A.; BAKAYEV, V.G., doktor tekhn. nauk, red. Prinimali uchastiye: DZHAVAD, Yu.Kh., red.; GUBERMAN, R.L., kand. ekon. nauk, red.; RYABCHIKOV, P.A., red.; YAVLENSKIY, S.D., red.; BAYRASHEVSKIY, A.M., kand. tekhn. nauk, red.; POLYUSHKIN, V.A., red.; BALANDIN, G.I., red.; ZOTOV, D.K., red.; RYZHOV, V.Ye., red.; BOL'SHAKOV, A.N., red.; VUL'FSON, M.S., kand. ekon. nauk, red.; DMITRIYEV, V.I., kand. ekon. nauk, red.; ALEKSANDROV, L.A., red.; LAVRENOVA, N.B., tekhn. red.

[Transportation in the U.S.S.R.; marine transportation] Transport SSSR; morskoi transport. Moskva, Izd-vo "Morskoi transport," 1961. 759 p. (MIRA 15:2)

(Merchant marine)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000410520013-5

DMITRIYEV, V.I., doktor ekonom.nauk; PETROV, V.I., kand.tekhn.nauk

Distribution of shipments among the various types of transportation. Zhel.dor.transp. 44 no.11:24-29 N '62.
(MIRA 15:11)

(Transportation)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000410520013-5"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000410520013-5

KOSTYUKOV, N.S.; ANTONOVA, N.P.; DMITRIYEV, V.I.

Soret effect in electrical porcelain. Zhur. fiz. khim. 39 no.9:2175-2177 S '65. (MIRA 18:10)

1. Moskovskiy gosudarstvennyy nauchno-issledovatel'skiy elektrokeramicheskiy institut.

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DMITRIYEV, V.I.

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Vsesoyuznyy matematicheskiy s"yezd. 3rd, Moscow, 1956

Trudy. t. 4: Kratkoye soderzhaniye sektsionnykh dokladov. Doklady inostrannykh uchenykh (Transactions of the 3rd All-Union Mathematical Conference in Moscow, vol. 4: Summary of Sectional Reports. Reports of Foreign Scientists) Moscow, Izd-vo AN SSSR, 1959. 247 p. 2,200 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Matematicheskiy institut.

Tech. Ed.: G.N. Shevchenko; Editorial Board: A.A. Abramov, V.G. Boltyanskiy, A.M. Vasil'yev, B.V. Medvedev, A.D. Myshkis, S.M. Nikol'skiy (Resp. Ed.), A.G. Postnikov, Yu. V. Prokhorov, K.A. Rybnikov, P. L. Ul'yanov, V.A. Uspenskiy, M.G. Chetayev, O. Ye. Shilov, and A.I. Shirshov.

PURPOSE: This book is intended for mathematicians and physicists.

COVERAGE: The book is Volume IV of the Transactions of the Third All-Union Mathematical Conference, held in June and July 1956. The book is divided into two main parts. The first part contains summaries of the papers presented by Soviet scientists at the Conference that were not included in the first two volumes. The second part contains the text of reports submitted to the editor by non-Soviet scientists. In those cases when the non-Soviet scientist did not submit a copy of his paper to the editor, the title of the paper is cited and, if the paper was printed in a previous volume, reference is made to the appropriate volume. The papers, both Soviet and non-Soviet, cover various topics in number theory, algebra, differential and integral equations, function theory, functional analysis, probability theory, topology, mathematical problems of mechanics and physics, computational mathematics, mathematical logic and the foundations of mathematics, and the history of mathematics.

Alekseyev, A.S. (Leningrad). On one exact solution of a non-stationary boundary value problem for a nonhomogeneous medium 116

Babich, V.M. (Leningrad). The ray method of studying the intensity of wave fronts 116

Gravilov, L.I. (Leningrad). Gravitational potential of an elliptic paraboloid and an infinite parabolic cylinder 117

Gel'chinskiy, B.Ya. (Leningrad). Certain dynamic problems of the theory of elasticity for media which contain spherical separation boundaries 118

Dmitriyev, V.I. (Moscow). Diffraction on conducting bodies of infinite dimensions 118

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Linevkin, P.S. (Moscow). On the baroclinic effect caused by wind flows in a deep sea 119

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DMITRIYEV, V.I., inzhener.

Double automatic potentiometers. Priborostroenie no.9:8-10 S '57. (MIRA 10:10)

(Potentiometer)

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DMITRIYEV, V.E.

AUTHOR: Dmitriyev, V. I. 119-1-8/13

TITLE: On the Problem of the Automatic Control of Complicated Details (K voprosu ob avtomaticheskom kontrole slozhnykh izdeliy)

PERIODICAL: Priborostroyeniye, 1958, Nr 1, pp. 24-28 (USSR)

ABSTRACT: By means of the testing of electronic valves it is shown which problems have to be studied and solved in automatic quality control:
The automatic control of electric details can be carried out in three different ways:
a) The detail makes it possible to measure all parameters at once.
b) The detail makes it necessary to control some parameters with different regimes.
c) The detail makes necessary separated regimes for the control of the single parameters.
The way mentioned under c) needs the most difficult apparatus.
By means of a non-automized control table (blockscheme) it is shown which operations are necessary and how the

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On the Problem of the Automatic Control of Complicated Details 119-1-8/13

temporal course of control takes place (cyclogram). As advantage the following blockschemes with the respective cyclograms are described:
1) Apparatus where the preparation and investigation of the detail is carried out parallel.
2) Automized apparatus for case a)
3) Automized apparatus for case b)
4) Semi-automatic apparatus for case c)
An important simplification can only be reached if "brain" cells are used. By storing all parameters the answer can be obtained at once, wether the detail to be investigated is correct. There are 5 figures.

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1. Quality control-Automation

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8(2), 28(1) SOV/161-58-4-5/28

AUTHOR: Dmitriyev, Vladimir Ivanovich, Post-graduate Student

TITLE: Issuing of Rating Plates at the Automatic Control of Complicated Products (Pasportizatsiya pri avtomaticheskom kontrole slozhnykh izdeliy)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Elektromekhanika i avtomatika, 1958, Nr 4, pp 26-35 (USSR)

ABSTRACT: The question is treated here how it is possible to obtain automatically rating plates with the measured values of the controlled parameters at the examination of complicated electrotechnical products as electromotors, electron-beam indicators or special radio tubes. The automatic control plants can be made in form of a line or circular shaped (Fig 1). In both cases they have A positions for the preparation and N position for the examination (Ref 1). According to the number of the examination positions the plants can be divided into 3 kinds: 1) N = 1, a successive control, what means that at the same time only one product is controlled. 2) N = K, series-parallel control, what means that at the same time some products are controlled, at which several parameters of the concerning product are controlled at each

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Issuing of Rating Plates at the Automatic Control of Complicated Products

position. 3) N = n, parallel control, what means that at the same time n products are controlled, at which one parameter is controlled at each position. - By means of a system of transmitters the deviations of the values of the controlled parameters within the tolerance limits are reduced to the alteration of a voltage from zero to U volts. This allows the use of a single type of the recording instrument for the determination of different physical values (Ref 2). The author proposes an issuing of rating plates for such an apparatus. This is a single recording instrument or a system of such, which gives as initial block of the plant for the automatical control a rating plate with the determined values of the controlled parameters recorded in it. The device for issuing rating plates differs from an ordinary recording instrument by the following: 1) discreet chart transport, 2) control of the chart mechanism and of the mechanism of the printing by means of electric impulses. 3) Cutting-off knife. - The device for issuing rating plates can be constructed: 1) On the basis of a multipoint galvanometer with a hoop drop and 2) on the basis of an automatic potentiometer according both to the principle of the static (servomechanism) and to the dynamic

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compensation, that is a) with a recording of marks, b) of lines, c) of numbers which have to be deciphered, and d) of numbers which need not be deciphered. - The single constructions are explained in detail. At a series-parallel- and at a parallel control two fundamental different constructions of the device for issuing rating plates are possible. 1) The device for issuing rating plates is made ring-shaped or as a line. This is impelled by the drive of the control plant or by a drive synchronized with the control plant. Such a device for issuing rating plates is fully described and shown in figures 6 and 7. In figure 7 the scheme of a device for issuing rating plates is shown which was elaborated with assistance of the kafedra Avtomatiki i telemekhaniki MEI (MEI Chair of Automation and Telemechanics) and of the author by the design office of the Ministerstvo vysshego obrazovaniya SSSR (Ministry of Higher Education of the USSR). 2) The second and more prospective construction has a "memory" which is a connecting link between the transmitter and device of issuing rating plates. The values of all parameters are conducted to the "memory". The values of the parameters of the instrument, the examination of which is finished, are transmitted from the "memory" to the

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rating plate simultaneously or successively by means of devices for issuing rating plates being used at the series control. The construction of this device for issuing rating plates will be reported by the author in a separate paper. There are 9 figures and 5 Soviet references.

ASSOCIATION: Kafedra avtomatiki, telemekhaniki i matematicheskikh mashin Moskovskogo energeticheskogo instituta
(Chair of Automation, Telemechanics and Mathematical Machines at the Moscow Institute of Power Engineering)

SUBMITTED: September 2, 1958

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SOV/120-58-5-28/32

AUTHOR: Dmitriyev, V. I.

TITLE: Measurement of Gas Pressure in Disconnected Cathode-Ray Tubes (Izmereniye davleniya gaza v otpayannykh elektronno-luchevykh trubkakh)

PERIODICAL: Pribory i tekhnika eksperimenta, 1958, Nr 5, pp 104-106 (USSR)

ABSTRACT: The pressure of gas in cathode-ray tubes is supposedly standardized and measured during manufacture. Close control of the pressure is, however, not in general feasible in mass production processes and little is known about the statistical variations in gas pressure from the specified standard as the tubes leave the production line. Moreover, once the tube is incorporated in the piece of equipment for which it is destined it is not usually practicable to remove it again for measurements. The importance of gas-pressure variations depends somewhat on the purpose for which the tube is intended, e.g. it may not be so critical for television tubes as for tubes intended for scientific measurement. Nevertheless a knowledge of such variations is clearly

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Measurement of Gas Pressure in Disconnected Cathode-Ray Tubes

desirable if only because it correlates with the probable lifetime of the tube. The present paper proposes for the measurement of gas pressure the relation:

$$p = K(I_i - I_L)/I_e$$

where p is the gas pressure; I_i is the positive ion current; I_e is the electron current; I_K is the leakage current, if any; and K is a coefficient which is given by standard theory and is independent of p so long as the latter is less than 10^{-3} mm of mercury. Circuit diagrams are given for the measurement of the currents I_i, I_e, I_K in a cathode ray tube disconnected from its ancillary equipment. Obviously since one is looking for fluctuations from a standard in p the errors in measuring I_i, I_e, I_K must be small and known. The use of

Card 2/3 potentiometer EPP-09 is recommended; all components should

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be properly calibrated and stray impedances minimized and, if not actually eliminated, at least estimated fairly accurately. Statistical results for p will be published when measurements on a sufficiently large number of tubes have been made and analyzed. The paper contains 4 figures and 3 references, 2 Soviet and 1 English.

ASSOCIATION: Moskovskiy energeticheskiy institut (Moscow Power Institute)

SUBMITTED: October 8, 1957.

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[illegible], L. L.; [illegible] MEV, V.L.; [illegible], V. .; [illegible], G.V.

Study of mass-transfer processes in the [illegible] chlorine glycol water solvents. Zur. prikl. khim. [illegible]

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DMITRIYEV, V.I., aspirant

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(MIRA 17:11)

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SOV/49-59-4-15/20

AUTHOR: Dmitriyev, V. I.

TITLE: The Effect of Ground Nonuniformities on the Field of a Straight Electric Cable of Infinite Length (Vliyaniye neodnorodnostey zemli na pole pryamolineynogo beskonechno dlinnogo kabelya)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geofizicheskaya, 1959, Nr 4, pp 621-623 (USSR)

ABSTRACT: A method of electro-surveying of the ground surface by means of a cable attached to a helicopter can be applied for determining of the ground nonuniformity. A field of the cable, to which a vertical line of the length l and infinitely thin, is joined (Fig 1), is considered for the air waving coefficient $k_o = 0$ and the ground waving coefficient

$$k = \frac{\omega}{c}\sqrt{\varepsilon - i\frac{4\pi\sigma}{\omega}} \approx (1-i)2\pi\sqrt{\frac{\nu}{10\rho}} .$$

In this formula, ν - frequency, ρ - resistance of the ground. The wavelength in the ground is:

$$\Lambda = \frac{2\pi}{\mathrm{Re}k} = \sqrt{\frac{\rho}{10\nu}} \quad \text{km}$$

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The Effect of Ground Nonuniformities on the Field of a Straight Electric Cable of Infinite Length

The problem is solved by the formulae I and II on pp 621 and 622. The field of the cable can be expressed as a horizontal component of the vector-potential A along the cable H_x and H_z (the field is measured in oersteds, current I in amps, Λ in km). The function A can be determined as:

$$A = 0 \quad \zeta > 0 ; \qquad \Delta A - iA = 0 \quad \zeta < 0 .$$

Its logarithmic characteristics along the cable can be shown as $A \sim \ell n\, r$. In general, the problem can be expressed as two systems. The solution of the system I for the uniform ground can be shown as:

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The Effect of Ground Nonuniformities on the Field of a Straight Electric Cable of Infinite Length

$$H_z^o = -10^{-6} \frac{8\sqrt{2}\pi I}{\Lambda} \int_0^\infty e^{-\zeta t} \sin \xi t \frac{tdt}{t + \sqrt{t^2 + i}} ,$$

which can be written as $x/\Lambda \geq 1$, i.e. the component H_z^o decreases much faster with distance than H_x^o . Therefore, the latter is used in calculations since it is easier to measure it. To find an effect of the vertical line, the problem should be solved for the function A_a . In this case it is necessary to know the function A_o , i.e. $A_o[\xi_o, \zeta]$ for $\xi < 0$. This is defined by the equation at the foot of p 622. Instead of the function A_a (II), the function F_a (top of p 623) can be applied. Assuming that a ground nonuniformity is found near the line, the value of H_x is determined as :

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The Effect of Ground Nonuniformities on the Field of a Straight Electric Cable of Infinite Length

$H_x = H_x^o R e^{-i\Phi}$. The values of R and Φ are illustrated in Figs 2 and 3 in relation to x/Λ and l/Λ with $x_1 = x - x_o$ = distance from the line. It should be noted that: 1) the nonuniformity of the modulus of the field H_x has an order of several tens per cent and that of the phase of the field H_x - several tens of degrees; 2) the width of the nonuniformity has an order of 0.1-0.2 wavelength in the ground; 3) with an increase of length of the line, the value of nonuniformity decreases and its width increases.

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The Effect of Ground Nonuniformities on the Field of a Straight Electric Cable of Infinite Length

Thanks are given to A. N. Tikhonov for supervising this work. There are 3 figures and 2 Soviet references.

ASSOCIATION: Akademiya nauk SSSR, Institut fiziki Zemli (Academy of Sciences, USSR, Institute of Physics of the Earth)

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